



PCT

RAW SEQUENCE LISTING

DATE: 07/14/2004

PATENT APPLICATION: US/10/500,774

TIME: 09:39:31

Input Set : A:\40320.txt

Output Set: N:\CRF4\07142004\J500774.raw

3 <110> APPLICANT: FUSO PHARMACEUTICAL INDUSTRIES, LTD.
 5 <120> TITLE OF INVENTION: Anti-HIV Agent
 7 <130> FILE REFERENCE: 03P451WO

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/500,774

C--> 9 <141> CURRENT FILING DATE: 2004-07-06

9 <150> PRIOR APPLICATION NUMBER: JP 2002-189534

10 <151> PRIOR FILING DATE: 2002-06-28

12 <160> NUMBER OF SEQ ID NOS: 3

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 3605

16 <212> TYPE: DNA

17 <213> ORGANISM: Homo sapiens

19 <400> SEQUENCE: 1

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 22 ggaccatgtc cctgtttcca tcaactccctc tcctttctcct gagtatgggtg gcagcgtctt 120
 24 actcagaaac tgtgacctgt gaggatgccc aaaagacctg ccctgcagtg attgcctgta 180
 26 gctctccagg catcaacggc ttcccaggca aagatgggag tgatggcacc aaggaggaaa 240
 28 agggggaacc aggccaaggc ctgagaggct tacaggggccc ccctggaaaag ttggggcctc 300
 30 caggaaatcc agggccttct gggtcaccag gaccaaaggc ccaaaaagga gaccctggaa 360
 32 aaagtccgga tgggtgatagt agcctggctg cctcagaaaag aaaagctctg caaacagaaa 420
 34 tggcacgtat caaaaagtgg ctgaccttct ctctgggcaa acaagttggg aacaagttct 480
 36 tcttgaccaa tgggtgaaata atgacctttg aaaaagtga ggccttgtgt gtcaagttcc 540
 38 aggcctctgt ggccaccccc aggaatgctg cagagaatgg agccattcag aatctcatca 600
 40 aggaggaagc cttcctgggc atcactgatg agaagacaga agggcagttt gtggatctga 660
 42 caggaaatag actgacctac acaaactgga acgaggggtga acccaacaat gctggttctg 720
 44 atgaagattg tgtattgcta ctgaaaaatg gccagtggaa tgacgtcccc tgctccacct 780
 46 cccactctggc cgtctgtgag ttccctatct gaagggtcat atcactcagg cctccttctg 840
 48 ctttttactg caaccacag gccacagta tgcttgaaaa gataaattat atcaatttcc 900
 50 tcatatccag tattgttctt tttgtgggca atcactaaaa atgatcacta acagcaccaa 960
 52 caaagcaata atagtagtag tagtagttag cagcagcagt agtagtcag ctaattatat 1020
 54 aatattttta atatatacta tgaggcccta tcttttgcac cctacattaa ttatctagtt 1080
 56 taattaatct gtaatgcttt cgatagtgtt aacttgctgc agtatgaaaa taagacggat 1140
 58 ttatttttcc atttacaaca aacacctgtg ctctgttgag ccttccttcc tgtttgggta 1200
 60 gagggctccc ctaatgacat caccacagtt taataccaca gctttttacc aagtttcagg 1260
 62 tattaagaaa atctattttg taactttctc tatgaactct gttttcttcc taatgagata 1320
 64 ttaaaccatg taaagaacat aaataacaaa tctcaagcaa acagcttcac aaattctcac 1380
 66 acacatacat acctatatac tcactttcta gattaagata tgggacattt ttgactccct 1440
 68 agaagccccg ttataactcc tcctagtact aactcctagg aaaatactat tctgacctcc 1500
 70 atgactgcac agtaattttc tctgtttata aacattgtat agttggaatc atattgtgtg 1560
 72 taatgttgta tgtcttgctt actcagaatt aagtctgtga gattcattca tgtcatgtgt 1620
 74 acaaaaagtt catccttttc attgccatgt agggttccct tatattaata ttccctcagtt 1680
 76 catccattct attgttaata ggcacttaag tggcttccaa tttttggcca tgaggaagag 1740
 78 aaccacagaa cattcctgga cttgtctttt ggtggacatg gtgcactaat ttcactacct 1800

ENTERED

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80 atccaggagt ggaactggta gaggatgagg aaagcatgta ttcagcttta gtagatatta 1860
82 ccagttttcc taagtgattg tatgaattta tgctcctacc ggcaatgtgt ggcagtccta 1920
84 gatgctctat gtgcttgtaa aaagtcaatg ttttcagttc tcttgatttt cattattcct 1980
86 gtggatgtaa agtgatattt ccccatgggt ttaatctgta tttccccaac atgtaataag 2040
88 gttgaacact tttttatatg cttattgggc acttgggtat cttcttctgt gaagtaccgc 2100
90 ttcacatttt tgtattttgt ttaaattagt tagccaatat tttcttact gatttttaag 2160
92 ttatttttac attctgaata tgcctttttt aatgtgtatt acaaataatt tgctagtttt 2220
94 tgacttgctc ctaatgttga attttgatga acaaaatttc ctaattttga gaaagtctta 2280
96 tttattcata ttttctttca aaattagtgc tttttgtgtc atgtttaaga aatttttgcc 2340
98 catcccaaaa tcataagata tttttcatga ttttgaaacc atgaagagat ttttcatgat 2400
100 tttgaaatca tgaagatatt tttccatttt tttctaatag ttttattaat aaacatttcta 2460
102 tctattcctg gtagaataga tatccacttg agacagcact atgtaggaaa gaccattttt 2520
104 cctccactga actaggggtg tgcatttttg taagttagggt aactgtatgt gtgtgtgtct 2580
106 gtttctgggc tgtctattct agtctatttg ttgatgcttg tgtcaaacag tacactatct 2640
108 taattattgt acatttatag ttgtaactgt agtccagctt tgttcttctt caagtcaaga 2700
110 tttccatata aatattagaa acagtttctc aatttctaca aaatcctgat gaggtttcta 2760
112 ctgggaccac attgagtcta tcaatcaact tatgcagaac tggcaactta ctactgaatc 2820
114 tctaatacat gttcatcatg tategcttca tttaaactagg atttctctaa ctttaattgct 2880
116 atgttttgag attttttagt taaaaacctt gtatatcttg ttttggtggt tttagtgtat 2940
118 ttaataatat attttaata ttttttcttt tctattgttg tacacagaaa tacagttaag 3000
120 ttttgtgtgt agtcttacga tgtttagtaa cctcaataag tttatttctt aaatctagta 3060
122 atttgtagat tctctggat tttgtatatg catagtcatg taagctgaaa atatggcaat 3120
124 acttgcttct tcccaattgc tttacctttt ttcttacctt attgcaactg ttagcaaccc 3180
126 caatacagag accaccagag caggatatga ctctgaaag acaatataat gaagtgtctc 3240
128 agtcaggcct atctaaactg gattcacagc tctgtcactt aattgctaca tgatctagag 3300
130 ccagttactt tgtgtttcag ccatgtattt gcagctgaga gaaaataatc attcttattt 3360
132 catgaaaatt gtggggatga tgaaataagt taacaccttt aaagtgtgta gtaaagtatc 3420
134 aggatactat attttaggtc ttaatacaca cagttatgcc gctagatata tgcttttttaa 3480
136 tgagataatg tgatattata cataacacat atcgattttt aaaaattaaa tcaaccttgc 3540
138 tttgatggaa taaactccat ttagtcacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3600
140 aaaaaa 3605

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142 <210> SEQ ID NO: 2

143 <211> LENGTH: 747

144 <212> TYPE: DNA

145 <213> ORGANISM: Homo sapiens

147 <400> SEQUENCE: 2

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152 ccaggcatca acggcttccc aggcacaaagat gggcgatgat gcaccaaggg agaaaagggg 180
154 gaaccaggcc aagggtctcag aggcttacag ggccccctg gaaagttggg gcctccagga 240
156 aatccagggc cttctgggtc accaggacca aagggccaaa aaggagaccc tggaaaaagt 300
158 ccgatgggtg atagtagcct ggctgcctca gaaagaaaag ctctgcaaac agaaatggca 360
160 cgtatcaaaa agtggctgac cttctctctg ggcaaacaaag ttgggaacaa gttcttctctg 420
162 accaatggtg aaataatgac ctttgaaaaa gtgaaggcct tgtgtgtcaa gttccaggcc 480
164 tctgtggcca cccccaggaa tgctgcagag aatggagcca ttcagaatct catcaaggag 540
166 gaagccttcc tgggcatcac tgatgagaag acagaagggc agtttgtgga tctgacagga 600
168 aatagactga cctacacaaa ctggaacgag ggtgaaccca acaatgctgg ttctgatgaa 660
170 gattgtgtat tgctactgaa aaatggccag tggaaatgacg tccccgtctc cacctcccat 720
172 ctggccgtct gtgagttccc tatctga

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747

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174 <210> SEQ ID NO: 3
175 <211> LENGTH: 248
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 3
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184 Ala Ser Tyr Ser Glu Thr Val Thr Cys Glu Asp Ala Gln Lys Thr Cys
185           20           25           30
187 Pro Ala Val Ile Ala Cys Ser Ser Pro Gly Ile Asn Gly Phe Pro Gly
188           35           40           45
191 Lys Asp Gly Arg Asp Gly Thr Lys Gly Glu Lys Gly Glu Pro Gly Gln
192           50           55           60
194 Gly Leu Arg Gly Leu Gln Gly Pro Pro Gly Lys Leu Gly Pro Pro Gly
195           65           70           75           80
197 Asn Pro Gly Pro Ser Gly Ser Pro Gly Pro Lys Gly Gln Lys Gly Asp
198           85           90           95
200 Pro Gly Lys Ser Pro Asp Gly Asp Ser Ser Leu Ala Ala Ser Glu Arg
201           100          105          110
203 Lys Ala Leu Gln Thr Glu Met Ala Arg Ile Lys Lys Trp Leu Thr Phe
204           115          120          125
206 Ser Leu Gly Lys Gln Val Gly Asn Lys Phe Phe Leu Thr Asn Gly Glu
207           130          135          140
209 Ile Met Thr Phe Glu Lys Val Lys Ala Leu Cys Val Lys Phe Gln Ala
210          145          150          155          160
212 Ser Val Ala Thr Pro Arg Asn Ala Ala Glu Asn Gly Ala Ile Gln Asn
213           165          170          175
215 Leu Ile Lys Glu Glu Ala Phe Leu Gly Ile Thr Asp Glu Lys Thr Glu
216           180          185          190
218 Gly Gln Phe Val Asp Leu Thr Gly Asn Arg Leu Thr Tyr Thr Asn Trp
219           195          200          205
221 Asn Glu Gly Glu Pro Asn Asn Ala Gly Ser Asp Glu Asp Cys Val Leu
222           210          215          220
224 Leu Leu Lys Asn Gly Gln Trp Asn Asp Val Pro Cys Ser Thr Ser His
225          225          230          235          240
227 Leu Ala Val Cys Glu Phe Pro Ile
228           245

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date